

Name(s) of Risk Team Members: John Benante,Joel Scott, Dan Lehn,Al Ravenhall,Syrus Biscardi			Point Value → Parameter ↓	1		2		3		4		5				
Job Title: C-AD Staff Crane Operation Job Number or Job Identifier: JRA 19-06			Frequency (B)	≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift				
Job Description: Crane Used for Lifting 300 lbs of steel laminations. Load moved from 919B assembly area to 919B pit.			Severity (C)	First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability				
Training and Procedures List (optional): Basic Rigging for Crane Operators and Practical, Overhead Crane Operator and Practical, Material Handling Medical Surveillance Qualified.			Likelihood (D)	Extremely Unlikely		Unlikely		Possible		Probable		Multiple				
Approved by: <i>E. Lessard</i> Date:5/5/2006 Rev. #:0																
Stressors (if applicable, please list all): Temperature, lighting, working at heights.			Reason for Revision (if applicable):						Comments:							
				Before Additional Controls									After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Crane Inspection	Falls on same level.	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections, monthly inspection and pre job inspection.	Y	1	4	3	2	24								
Select rigging equipment, move to load area.	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, use of dollies, OPM procedures, Tier I Inspections, use certified rigging equipment, known weight of load, known center of gravity of load, known lifting points on load.	Y	2	4	3	2	48								
Select rigging equipment, move to load area.	Falls on same level	Work planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Hook up to the load	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, Tier I Inspections.	Y	2	4	2	2	32								

Hook up to load	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Lift the load and move to new location	Getting struck by dropped load or hitting other objects or people with load while moving.	Work Planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS Subject Areas, OPM procedures, Tier I Inspections, known weight of load, known center of gravity of load, known lifting points on load, two persons for lift, route and area checked prior to movement, availability of engineering input, and inspected rigging equipment; C-AD and SMD supervisors review their personnel assigned to perform mechanical material handling and ensure qualified personnel are performing the work.	N	2	4	4	1	32								
Lower/Lay Down the load	Load Tipping/falling	Work Planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS Subject Areas, OPM procedures, Tier I Inspections, known weight of load, known center of gravity of load, known lifting points on load, two persons for lift, route and area checked prior to movement, availability of engineering input, certified rigging equipment, floor area loading Capacity known and chocking.	Y	2	4	3	2	48								
Unhook rigging equipment	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, Tier I Inspections.	Y	2	4	2	2	32								
Unhook rigging equipment	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Store rigging equipment	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, and Tier I Inspections.	Y	2	4	2	2	32	Crane controls stored in locker in office for security reasons.							
Store rigging equipment	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Store/Save the crane	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								

Further Description of Controls Added to Reduce Risk:					
*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable